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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/671,863

09/29/2003

Ju-hwan Kim

1572.1100

5397

21171

7590

04/25/2006

STAAS & HALSEY LLP

SUITE 700

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WASHINGTON, DC 20005

EXAMINER

STERLING, AMY JO

ART UNIT

PAPER NUMBER

3632

DATE MAILED: 04/25/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/671,863

Applicant(s)

KIM ET AL.

Examiner

Amy J. Sterling

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 22 February 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-39 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 39 is/are allowed.
- 6) ☒ Claim(s) 1-5,30,32 and 38 is/are rejected.
- 7) ☒ Claim(s) 6-29,31 and 33-37 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 29 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>12/22/05</u> . | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

This is a non-final Office Action for application number 10/671,863 Display Apparatus, filed on 9/29/03. Claims 1-39 are pending. This non-final Action is in response to applicant's reply dated 2/28/06. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

### ***Information Disclosure Statement***

The information disclosure statement (IDS) submitted on 12/12/05 and 3/30/06 are in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

The applicant is reminded that the submission requirement only requires the submission of relevant art and does not require the submission of references which would not be considered prior art.

### ***Claim Rejections - 35 USC § 102***

Claims 1-5 are rejected under 35 U.S.C. 102(b) as being anticipated by Korea 20-182808.

The '808 patent discloses a base part (200), a monitor body (100), a body bracket (See Figure 2) fixedly coupled to the monitor body, a slider (110) provided in pair (side walls of slider) connected with the body bracket, a guide rail (210) provided in a pair parallel and a guide bracket coupled (111) to the guide rails and a spring supporting block (311) provided between the sliders, wherein the spiral spring has a first

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wound end having a spiral shape and coupled to the guide bracket and a second end extended from the wound part and coupled to the spring supporting block (311) to each other and a spiral spring (312) wherein a first spiral spring is installed in front of the guide bracket and a second spiral spring is installed in the back of the guide bracket.

***Claim Rejections - 35 USC § 103***

Claims 1-4, 30, 32 and 38 are rejected under 35 U.S.C. 103(a) as being unpatentable over United States Patent No. 6189849 to Sweere et al. and in view of United States Patent No. 4601246 to Damico.

Sweere et al. teaches the basic inventive concept including a base part (14), a monitor body (12), a body bracket (34) and connecting assembly (36) and a supporting bracket (62) the body bracket (34) fixedly coupled to the monitor body, a slider (40, 42) in a pair that are connected with the body bracket and a guide rail (20, 22) which has a pair of rails in parallel to each other and a guide bracket (40a, 42a) coupled to the guide rails, wherein the sliders is drawn out from the guide rail to a predetermined length by an upward movement along the guide rail, and at least one spring (54) having the elasticity to support weight of the main monitor, the spring being on a spring supporting block (50) provided between the sliders wherein the spring has a first end coupled to the guide bracket and a second end coupled to the spring supporting block (50) and a stand supporting part (30) so as to provide an accommodating space for the guide rails.

Sweere et al. does not specifically teach that the spring is a spiral spring with a wound part having a spiral shape and a coupling part extended from the wound part and coupled to a spring supporting block.

Damico teaches a lift assembly which is biased by a spiral spring (90) having a wound part (94) having a spiral shape and a coupling part extended from the wound part and coupled to a spring supporting block (52), the spring used in order to help lift the desired device in a sliding manner. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention from the teachings of Damico to have used a spiral spring as the spring in order to bias the device in a lifting manner.

### ***Response to Arguments***

Applicant's arguments with respect to the claims have been considered but are moot in view of the new ground(s) of rejection.

### ***Allowable Subject Matter***

Claim 39 is allowed.

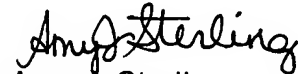
Claims 6-29, 31, 33-37 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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The prior art does not disclose four accommodating parts for accommodating the springs and the guide rails on both sides of the guide bracket or a that a ball bearing unit is provided between the guide rail and the slider or wherein the spring supporting block performs a sliding motion along with the sliders.

### ***Conclusion***

Any inquiry concerning this communication should be directed to Amy J. Sterling at telephone number 571-272-6823. The examiner can normally be reached (M-F 8 a.m.-5:00 p.m.). If attempts to reach the examiner are unsuccessful, the examiner's supervisor, Robert Olszewski can be reached at 571-272-6788. The fax machine number for the Technology center is 571-273-8300 (formal amendments) or 571-273-6823 (Informal communications). Any inquiry of a general nature or relating to the status of this application should be directed to the Technology Center receptionist at 571-272-3600



Amy J. Sterling

4/19/06